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Go to: [Derwent](#)[Email](#)Title: **JP1148254A2: ARTIFICIAL BONE**Derwent Title: Light artificial bone - contg. titanium, its alloy or stainless steel with hollow cross section [\[Derwent Record\]](#)

Country: JP Japan

Kind: A

Inventor: HONMA TOSHIHIKO;
AOYANAGI SHIGEO;Assignee: TOKYO BAITEKU KENKYUSHO:KK
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Published / Filed: 1989-06-09 / 1987-12-07

Application Number: JP1987000308986

IPC Code: A61F 2/28; A61L 27/00;



Abstract: PURPOSE: To achieve wt. reduction while keeping strength, by making an interior hollow.



CONSTITUTION: For example, the stem part 3 for supporting the structure of an artificial condyle 1 consisting of a ball part 2 forming a slide part and the stem part 3 inserted in the marrow of a femur is formed so that the interior thereof is hollow (desirably almost circular in its cross-sectional shape). The hollow internal space is not a perfectly closed space but desirably opened partially to communicate with the outside. The stem part 3 is pref. constituted of stainless steel, titanium or a titanium alloy. In order to mold the stem part 3 so as to make the interior thereof hollow, there are casting, forging and powder sintering methods but, in the case of a complicated shape, powder sintering using a core is easiest. Further, as is conventional, the ball part 2 is also constituted of ceramics such as alumina type ceramics other than the above mentioned metal.

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Family: None

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References:Go to Result Set: [Forward references \(4\)](#)

PDF	Patent	Pub.Date	Inventor	Assignee	Title
	US6652765	2003-11-25	Beaty; Keith D.	Implant Innovations, Inc.	Implant surface prep
	US6491723	2002-12-10	Beaty; Keith D.	Implant Innovations, Inc.	Implant surface prep method
			Beaty; Keith	Implant Innovations,	Surgically implantabl

	US5816811	1998-10-06	D.	Inc.	devices
	US5607480	1997-03-04	Beaty; Keith D.	Implant Innovations, Inc.	Surgically implantabl devices

Other Abstract Info: None



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